

- 1 1. (Not Amended) A method for presenting data from a set of one or more tables as a set of
2 objects, the method comprising the steps of:
3 reading data from one or more rows of the set of one or more tables;
4 generating an object id based on values from said one or more rows; and
5 presenting data from said one or more rows as an object having said object id.
- 1 2. (Not Amended) The method of Claim 1, wherein the step of generating an object id based
2 on values includes generating an object id based on values from one or more rows of a
3 relational table that belongs to the set of one or more tables.
- 1 3. (Not Amended) The method of Claim 1, further comprising the step of
2 generating a reference to the object based on the object id.
- 1 4. (Not Amended) The method of Claim 3, further comprising the step of accessing the
2 object based on the reference generated for the object.
- 1 5. (Not Amended) The method of Claim 1, wherein:
2 the method further includes the steps of:
3 receiving a request to define a view, said request specifying one or more columns
4 of the set of one or more tables containing values used to generate said
5 object id;
6 in response to receiving the request to define the view, storing specification data
7 that specifies the one or more columns; and

8 the step of generating an object id based on values from said one or more rows includes
9 determining how to generate the object id by inspecting said specification data.

1 6. (Not Amended) The method of Claim 5, wherein the step of receiving a request to define
2 a view includes receiving a request that specifies the one or more columns as including at
3 least one column from a relational table.

1 7. (Amended) A method for [presenting as an object] presenting, as an object, data from a set
2 of one or more tables residing in one or more databases, the method comprising the steps
3 of:
4 reading a first set of data from a plurality of fields from [one or more rows of
5 tables that belong to] the set of one or more tables;
6 wherein said plurality of fields includes a field from each of a plurality of rows;
7 generating a column object based on said first set of data; and
8 presenting a second set of data from [tables that belong to] said set of one or more
9 tables as said object that has said column object as an attribute.

1 8. (Not Amended) The method of Claim 7, wherein the step of reading data from one or
2 more rows includes reading data from one or more rows of at least one relational table.

1 9. (Not Amended) The method of Claim 7, wherein the step of generating a column object
2 includes generating a collection object.


1 10. (Not Amended) The method of Claim 9, wherein the step of generating a collection object
2 includes generating said collection object as a list of elements belonging to a single data
3 type.

- 1 11. (Not Amended) The method of Claim 9, wherein the step of generating a collection object
2 includes generating said collection object as a nested table.
- 1 12. (Not Amended) The method of Claim 9, wherein the step of generating a column object
2 includes generating a column object belonging to a user specified object type.
- 1 13. (Not Amended) The method of Claim 9, where the step of generating a column object
2 includes generating a column object that is a reference to another object.
- 1 14. (Not Amended) The method of Claim 13, wherein the step of generating a column object
2 includes generating a column object that is a reference to an object presented by an object
3 view.
- 1 15. (Not Amended) The method of Claim 13, wherein the step of generating a column object
2 includes generating a column object that is a reference to an object residing in a database.
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16. (Amended) A computer system, comprising:
a processor;
a memory coupled to said processor;
a set of one or more tables, said set of one or more tables containing one or more rows;
said processor configured to read data from one or more rows of the set of one or more
tables;
said processor configured to generate an object id based on values from said one or more
rows; and
said processor configured to present [presenting] data from said one or more rows as an
object having said object id.
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1 17. (Not Amended) The computer system of Claim 16, wherein said values from said one or
2 more rows includes values from one or more rows of a relational table that belongs to said
3 set of one or more tables.

1 18. (Not Amended) The computer system of Claim 16, further comprising:
2 said processor configured to receive a request to define a view, said request specifying one
3 or more columns of the set of one or more tables containing values used to
4 generate said object id;
5 said processor configured to respond to receiving the request to define the view by storing
6 specification data that specifies the one or more columns; and
7 said processor configured to generate the object id based on values from said one or more
8 rows by determining how to generate the object id by inspecting said specification
9 data.

 1 19. (Amended) A computer system, comprising:
2 a processor;
3 a memory coupled to said processor;
4 one or more databases;
5 a set of one or more tables contained in said one or more databases;
6 said processor configured to read a first set of data from a plurality of fields from
7 one or more rows from [of tables that belong to] the set of one or more
8 tables;

9 wherein said plurality of fields includes a field from each of a plurality of rows;

10 said processor configured to generate a column object based on said first set of

11 data; and

12 said processor configured to represent a second set of data from [tables that belong

13 to] said set of one or more tables as said object that has said column object as an

14 attribute.

1 20. (Not Amended) A computer-readable medium carrying one or more sequences of one or
2 more instructions for presenting data from a set of one or more tables as a set of objects,
3 wherein the execution of the one or more sequences of the one or more instructions causes
4 the one or more processors to perform the steps of:
5 reading data from one or more rows of the set of one or more tables;
6 generating an object id based on values from said one or more rows; and
7 presenting data from said one or more rows as an object having said object id.

1 21. (Not Amended) The computer readable medium Claim 20, wherein the step of generating
2 an object id based on values includes generating an object id based on values from one or
3 more rows of a relational table that belongs to the set of one or more tables.

1 22. (Not Amended) The computer readable medium of Claim 21, wherein:
2 the one or more sequences of instructions includes one or more instructions for performing
3 the steps of:

4 receiving a request to define a view, said request specifying one or more columns
5 of the set of one or more tables containing values used to generate said
6 object id;
7 in response to receiving the request to define the view, storing specification data
8 that specifies the one or more columns; and
9 the step of generating an object id based on values from said one or more rows includes
10 determining how to generate the object id by inspecting said specification data.

1 23. (Not Amended) The computer readable medium of Claim 22, wherein the step of
2 receiving a request to define a view includes receiving a request that specifies the one or
3 more columns as including at least one column from a relational table.

1 24. (Amended) A computer-readable medium carrying one or more sequences of one or more
2 instructions for presenting, as an object, data from a set of one or more tables residing in
3 one or more databases, wherein the execution of the one or more sequences of the one or
4 more instructions causes the one or more processors to perform the steps of:
5 reading a first set of data from a plurality of fields from [one or more rows of tables that
6 belong to] the set of one or more tables;
7 wherein said plurality of fields includes a field from each of a plurality of rows
8 generating a column object based on said first set of data; and
9 presenting a second set of data from [tables that belong to] said set of one or more tables
10 as said object that has said column object as an attribute.